Indiana Tech Flash

Indiana's Most Comprehensive Newsletter & Resource for Engineering & Technology Education.

Special points of interest:

- 2009 IMSTEA SMC
- Upcoming Events
- Resources
- Help Wanted

April 2009

2009 IMSTEA Super Mileage Challenge!

The SMC is scheduled for **April 27, 2009** at **O'Reilly Raceway Park** in Indianapolis.

In the SMC High School students apply Science, Technology, Engineering, and Mathematics (STEM) to design, engineer, construct, test and evaluate vehicles that obtain the highest MPG!

Upcoming Events

- April 27, 2009 – **IMSTEA Super Mileage Challenge** - O'Reilly IRP

- May 2-3, 2009 - **FREE Pro/ENGINEER 3D CAD Workshop** - Central 9 CC.

- June 15-26 - **PLTW STI** - Kokomo

- June 22 - 23, 2009 - **FREE Pro/ENGINEER 3D CAD Workshop** – North Harrison Middle School

- July 6-17 - **PLTW STI** - Kokomo

Amusement Park Physics With a NASA Twist

Amusement Park Physics With a NASA Twist

Most amusement park physics guides focus primarily on problem sets and are geared towards using trigonometry and calculus. This is a middle school guide that makes the NASA connection to the rides. All of the activities are centered on preparing students to complete worksheets for specific rides. The science and mathematics teachers can prepare students to use a single method or several methods for gathering the data.

http://exploration.grc.nasa.gov/physicsday/physics_nasatwist_guide.pdf

Paper Roller Coasters

Create incredible paper roller coasters using strips of heavy paper. By folding, cutting, and taping the paper strips together you will be able to make sturdy roller coasters that reach the ceiling!
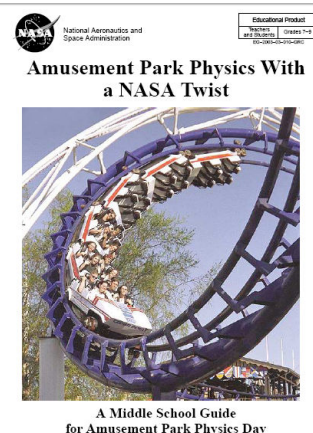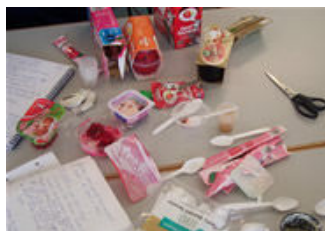
http://www.paperrollercoasters.com/products.htm

Food Technology Toolbox
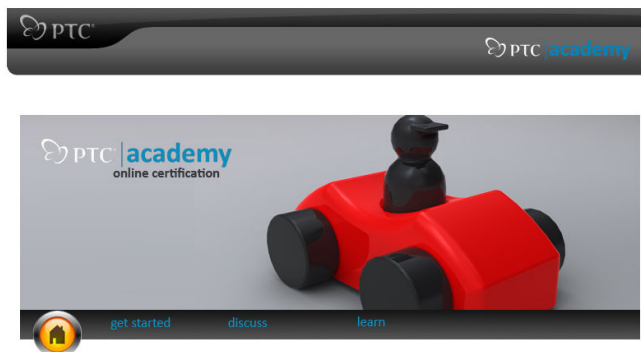
Food Technology Toolbox

The Food Technology Toolbox is a document that provides a framework and tools to support planned progression of Food Technology knowledge and skills from Years 7-13. The content provides a guide to assist teachers planning a Food Technology course over several years. Teachers can select appropriate knowledge and skills topics to apply to their programme to suit their students' learning and school environment.

http://www.techlink.org.nz/Case-studies/Classroom-practice/Teaching-Practice/cp807-food-technology-toolbox/index.htm
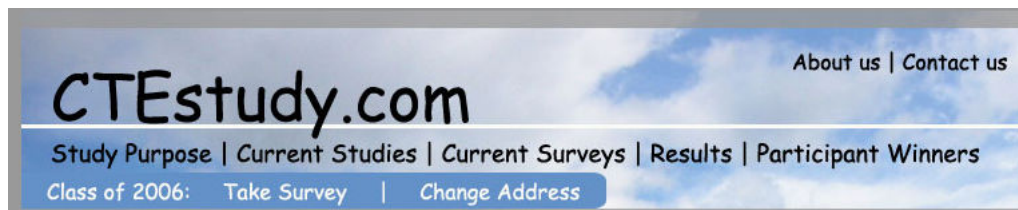
FREE! PTC Pro/Engineer Academy

PTC Pro/Engineer Academy

Welcome to the PTC/Academy learning portal. Here you will find self directed and self paced tutorials to get you started using your FREE Pro/ENGINEER wildfire 4.0 license. I**f you are an educator:** Why not complete the 'get started' module and apply for online certification! Formal accreditation allows you to obtain a 300 seat license to teach Pro/ENGINEER in your School!

http://www.ptcacademy.com/

Indiana CTE Study Results
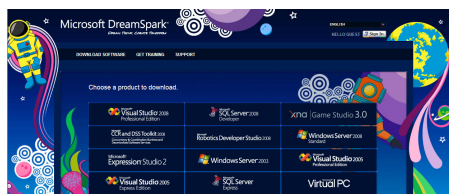

Indiana CTE Study Results

An Indiana Career and Technical Education program study that tracks the success of students as they move towards employment and further education. The survey is a tool to help researchers gain insight into the employment and educational activities of program graduates and as a way to assess Career and Technical Education program effectiveness in Indiana.

http://www.ctestudy.com/results.htm

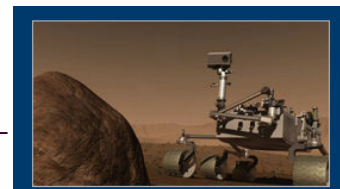## Microsoft Expands FREE DreamSpark Program for HS students

Microsoft Corporation recently announced the expansion of the successful Microsoft DreamSpark student program to include high school students worldwide. DreamSpark, originally available only to university students, makes professional-level developer and designer tools as well as training available to students at no charge to support and advance their learning and skills through technical design, technology, math, science, and engineering activities. Here's how it works: if you're a current university or high school student, you can download professional Microsoft developer, designer, and gaming software through DreamSpark at no charge!

https://www.dreamspark.com/default.aspx

ANIMOTO

ANIMOTO

Animoto for Education was designed to support the unique needs of educators, and it's loaded with features that make it easy to create powerful, professional video in minutes.

http://animoto.com/

This is your chance to go to Mars!

Fill in your information below and your name will be included with others on a microchip on the Mars Science Laboratory rover heading to Mars in 2011!
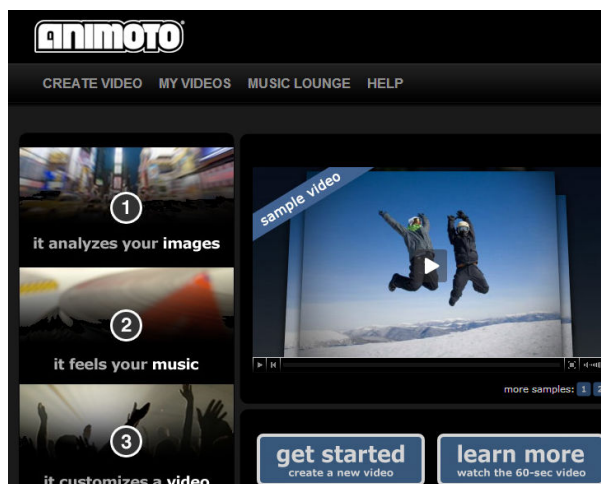
http://mars.jpl.nasa.gov/msl/participate/sendyourname/

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Inquiries regarding compliance by the Indiana Department of Education with Title IX and other civil rights laws may be directed to the Human Resources Director, Indiana Department of Education, Room 229, State House, Indianapolis, IN 46204-2798, or by telephone to 317-232-6610, or the Director of the Office for Civil Rights, U.S. Department of Education, 111 North Canal Street, Suite 1053, Chicago, IL 60606-7204

Indiana Department of Education
SUPPORTING STUDENT SUCCESS

DOE Home > Job Bank Home > School Personnel Job Bank

School Personnel Job Bank

' Formerly known as Professional Education Employee Referral (P.E.E.R.)

The Indiana Department of Education has created a new online job bank:
1) to help local schools post/manage open positions and
2) to help potential candidates search for available school personnel positions throughout Indiana.

Click here to search the School Personnel Job Bank (a new window will open)

Project Lead the Way Instructor	Southeastern Career Center
Pre-engineering program/Math/Science/Etc.	Oldenburg Academy
Industrial Technology Teacher	Wes-Del Middle/Senior High School
Founding Faculty: Full and Part-time Classroom Teacher(s)	International School of Columbus

https://dc.doe.state.in.us/doeonline/jobbank/search.aspx